

TOP SECRET 041521Z

04 NOV 4 15 51Z

OUT54378

25X1

THE FOLLOWING MESSAGES WERE INADVERTENTLY NOT SENT TO YOU AND ARE  
THEREFORE REPEATED HERE FOR YOUR INFORMATION:

A. REF: [ ] 3152

TOP SECRET 272039Z

4 NOV 1964  
HFS

13 25X1

CFC  
25X1

PNS

AGL  
25X1

REF A [ ] 0700/REBIND 44

B MISSION 1012

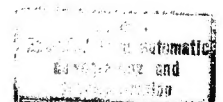
Grace (File)

1. AFTER MUCH EFFORT [ ] WAS STILL UNSUCCESSFUL IN REDUCING  
ATTITUDE FROM HORIZON IMAGES. THUS, SUSPECTING AN ERROR IN CALI-  
BRATION DATA OBTAINED FROM REF A, THE FOLLOWING DISCREPANCIES WERE  
FOUND TO EXIST:

MASTER:

		CORRECTED DATA
A. DTX PLUS 1.138		PLUS .252
DTY PLUS 1.024		MINUS 2.857
DSX PLUS .252		MINUS .407
DSY MINUS 2.857		PLUS 2.842
B. XVO MINUS .407		PLUS 1.138
YVO PLUS W 2.842		PLUS 1.024

SLAVE:



TOP SECRET

-2-

<div style="border: 1px solid black; width: 150px; height: 30px; display: inline-block;"></div>		CORRECTED DATA
A.	DTX MINUS .392	MINUS .260
	DTY PLUS .259	PLUS 2.102
	DSX MINUS .260	MINUS .140
	DSY PLUS 2.102	MINUS 2.261
B.	XVO MINUS .140	MINUS .392
	YVO MINUS 2.261	PLUS .259

25X1

2. SUCH ERRORS ARE COSTLY TO  BOTH IN MAN HOURS SPENT TO LOCATE THE ERROR AND DELAY IN PROVIDING CRITICAL METRICAL DATA OF HIGH INTELLIGENCE VALUE.

25X1

3. UNAVAILABILITY OF INSTRUMENT DATA LOG PREVENTED  FROM VERIFYING MESSAGE DATA IN EARLY STAGES OF MISSION READOUT.

25X1

T O P S E C R E T

B. REF:  3173

25X1

T O P S E C R E T 292152Z

25X1

UPON RECEIPT OF INSTRUMENT LOG FOR MISSION 1012  FOUND THAT THE SAME ERRORS IN THE HORIZON CAMERA CALIBRATION DATA (REF A) EXISTS IN THE LOG AS IN REF B.

25X1

T O P S E C R E T

C. REF:  3194

25X1

-3-

T O P S E C R E T 022137Z

25X1

1. THERE ARE NUMEROUS DATA BLOCK LIGHT FAILURES ON MISSION 1012-1 AND 1012-2. THESE FAILURES HAVE CAUSED CONSIDERABLE TIME LOSS IN DETERMINATION OF FRAME TIMES FOR STELLAR REDUCTION AND FINAL FRAME EPHEMERIS PRODUCTION.

2. MISSION 1012-1 AND -2 HAVE THE LARGEST NUMBER OF LIGHT FAILURES ENCOUNTERED TO DATE. THERE ARE SIX LIGHT FAILURES ON THE FORWARD CAMERA AND TWO ON THE AFT CAMERA.

3. THE LIGHTS FAILED AFTER LAUNCH AND IN THE FOLLOWING ORDER:

CAMERA	LIGHT NO.	MILLISECOND VALUE	PASS	FRAME
FWD	12	2048	D04	60
FWD	19	262144	D06	26
AFT	12	2048	D06	80
AFT	23	4194304	D23	20
FWD	1	1	D24	6
FWD	17	65536	D39	139
FWD	16	32768	D52	34
FWD	2	2	D53	38

4. THE 1 AND 2 LIGHTS ARE IMPOSSIBLE TO CORRECT AND THE MULTIPLE FAILURES IN THE LARGER BINARIES CAUSE CONSIDERABLE DIFFICULTY IN DETERMINING ACCURATE TIMES.

T O P S E C R E T

--END OF MESSAGE--